

# **STORM WATER POLLUTION PREVENTION PLAN (SWPPP)**

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*for*

**Humboldt Mill  
4547 County Road 601  
Champion, Michigan**

*Prepared for:*

**Rio Tinto Eagle Mine  
4547 County Road 601  
Champion, MI 49814**

*Prepared by:*

**Horizon Environmental Corporation  
4771 – 50<sup>th</sup> Street, S.E., Suite One  
Grand Rapids, Michigan 49512**

**August 2009**

**(Revised January 2013)**



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## **1.0 GENERAL FACILITY INFORMATION**

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**Name of Facility:** Rio Tinto Eagle Mine, LLC - Humboldt Mill

**Facility Address:** 4547 County Rd 601, Champion, Michigan 49814

**Standard Industrial Classification (SIC) Code:** 1021

**Owner or Authorized Representative:** Rio Tinto Eagle Mine, LLC

### **FACILITY CONTACT**

**Name:** Kristen Mariuzza

**Title:** Environmental & Permitting Manager

**Telephone:** (906) 486-1257

**Mailing Address:** Rio Tinto Eagle Mine, LLC - Humboldt Mill  
4547 County Rd. 601, Champion, MI 49814

### **CERTIFIED STORM WATER OPERATORS**

Mr. David Tornberg, Rio Tinto Eagle Mine  
Industrial Storm Water Operator No. I-11809

Ms. Amanda Zeidler, Rio Tinto Eagle Mine  
Industrial Storm Water Operator No. I-11689

Ms. Jennifer Nutini, Rio Tinto Eagle Mine  
Industrial Storm Water Operator No. I-11811

### **PERMIT INFORMATION**

**NPDES Permit Number:** MI0058649

**Effective Date of Coverage:** Permit Issuance Date

**Receiving Waters:** Black River Watershed and the Middle Branch Escanaba River Watershed

### **STORM WATER POLLUTION PREVENTION PLAN CERTIFICATION**

This Storm Water Pollution Prevention Plan (SWPPP) must be reviewed and signed by the Certified Storm Water Operator and by either the permittee or an authorized representative in accordance with 40 CFR 122.22. This SWPPP must be retained on-site at the facility which generates the storm water discharge. The SWPPP Certification for the Humboldt Mill site is provided in Appendix A.



## **BRIEF INDUSTRIAL ACTIVITY DESCRIPTION**

The Humboldt Mill site was originally constructed in 1954 and was operated as a mining related industry. The site was acquired by Kennecott Eagle Land, LLC (KEL), now legally referred to as Rio Tinto Eagle Mine (RTEM), in September of 2008 with future plans to use the mill for processing nickel and copper ore. In the short term, RTEM performed preliminary site preparation activities, including removal and off-site disposal of mining residuals and wastes, improved site security, and general site improvements. This work was completed between September and November, 2008. The site is currently under construction, and this SWPPP has been prepared to cover the site during the construction period. This SWPPP includes both non-structural and structural storm water controls, with a phased implementation of the structural controls. The structural controls have been implemented as shown in this SWPPP's original Fig 3. The controls in place are as depicted in Figure 000-CI-002, attached to this document.

Rehabilitative activities to prepare the site for the long-term future use as a mill include the removal of certain equipment and pre-existing residual materials, demolition of structures and replacement of siding and roofing on the mill building, all of which are either currently underway or have been completed. As part of these activities, historical mining residuals identified in this SWPPP have been removed from the site or otherwise remediated (per Due Care obligations), and permanent storm water controls implemented. The SWPPP will be revised as needed to reflect future changes in site conditions.

## **2.0 STORM WATER POLLUTION PREVENTION TEAM**

The storm water pollution prevention team is responsible for developing, implementing, maintaining, and revising the SWPPP. A storm water pollution prevention team has been established for the RTEM – Humboldt Mill to implement the site's SWPPP. This team is familiar with the management and operation of the RTEM – Humboldt Mill and the provisions of this SWPPP. The members of the team and their primary responsibilities include:

<b>NAME &amp; TITLE</b>	<b>RESPONSIBILITY</b>
Mr. David Tornberg	Implementing, maintaining, employee training, record keeping, submitting reports, conducting inspections, conducting the annual compliance evaluation
Ms. Amanda Zeidler	Conducting inspections and participating in annual compliance evaluation
Ms. Jennifer Nutini	Conducting inspections and participating in annual compliance evaluation



### **3.0 SITE STORM WATER MAPS**

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A Site Location Map (Figure 1) and a Site Storm Water Map (Figure 2) have been prepared for the RTEM – Humboldt Mill site. Figure 2 represents the site in its current state and illustrates site buildings and structures, sources of potential storm water impact, drainage areas and flow directions.

### **4.0 SIGNIFICANT MATERIALS**

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Initial activities to prepare the RTEM - Humboldt Mill site for long-term future use involved the removal of numerous mill residues and wastes from site buildings and equipment. All significant materials brought on site are managed in a way that they are not exposed to storm water. As a result of historic site operations, mill residues and waste were disposed or stockpiled on-site and these materials could degrade or impact storm water quality. Areas where significant materials are on-site include:

1. Mining residuals (i.e. iron ore concentrate) located in various areas
2. Two (2) 275 Gal gasoline ASTs located in the laydown/contractor trailer area
3. Miscellaneous construction supplies (e.g. grease, paint, solvents, etc.). These items will be stored indoors.

Currently there are no areas on site that present a threat to surface water. A list of significant materials is provided on Table 1.

#### **4.1 List of Significant Spills**

No releases of polluting materials have occurred at the RTEM – Humboldt Mill site since RTEM took ownership of the site in September of 2008. Rehabilitation activities performed at the site did not involve significant hazardous substance use, nor were hazardous substances brought onto the site. The only hazardous substances managed at the site were those removed from site buildings and equipment. All residuals and waste materials generated during rehabilitation activities were managed in accordance with the site's Due Care Plan and associated Residuals Management Plan. In the event of a future significant release of hazardous substances, the release will be documented on the form provided in Appendix B, and listed on Table 2, List of Significant Spills.

### **5.0 NON-STRUCTURAL CONTROLS**

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#### **5.1 Preventative Maintenance Program (Monthly Inspection Program)**

During non-winter months, RTEM will perform monthly storm water inspections and ongoing maintenance of the site's storm water management and control devices. Because there is no potential for storm water runoff from the site during the winter months, inspections will only be performed when site runoff can occur (approx. March through November). A monthly inspection log (including any necessary corrective actions) will be maintained on-file at the site and will be retained for three years.



A copy of the monthly storm water preventative maintenance and housekeeping inspection form (see Section 5.2) is provided in Appendix C.

### **Housekeeping Procedures**

Housekeeping procedures are intended to reduce the potential for significant materials to come in contact with storm water. Examples of good housekeeping procedures to be employed at the site include:

- When brought or generated on-site, construction materials, debris, trash, fuel or paint shall be managed with good housekeeping practices.
- Any materials that present a storm water exposure potential will be stored under shelter, tarps, or indoors to minimize precipitation runoff.

Good housekeeping procedures will be evaluated and inspected as part of the facility's monthly storm water inspection program (see Section 5.1).

## **5.2 Comprehensive Site Inspection (Semi-Annual Inspection Program)**

RTEM will perform a comprehensive site inspection by the Certified Storm Water Operator semi-annually. Documentation of the comprehensive site inspection results will be prepared and retained for three years. This documentation will include any identified incidents of non-compliance with the SWPPP or the site's storm water permit. If there are no identified incidents of non-compliance, the comprehensive site inspection documentation will contain a certification that the facility is in compliance with its storm water permit.

The comprehensive site inspection will include:

- A thorough inspection of the condition and location of the site's stormwater management and control structures;
- A review of the preventive maintenance and material handling practices, if applicable (see section 5.4);
- A review of good housekeeping practices, if applicable (see section 5.1); and
- All other paperwork associated with this SWPPP.

A copy of the semi-annual comprehensive site inspection form is provided in Appendix D.

## **5.4 Material Handling & Spill Prevention / Clean-Up Procedures**

In the event that materials or equipment are brought on-site, material handling procedures and storage requirements for significant materials will be managed in the following manner:

- Any equipment brought on-site will be inspected and maintained to prevent fluid leakage due to corrosion or loose joints;
- Personnel shall be trained in spill prevention and control procedures;
- Use of appropriate equipment (e.g., shovels, adsorbents, PPE) to clean up spills;
- Hazardous materials (if any) will be properly disposed; and
- Spills will be reported in accordance with state and federal regulations (see Section 4.1).



## 5.5 Employee Training Program

RTEM employees involved with storm water management activities at the Humboldt Mill site receive training on the site's SWPPP on an annual basis. This training covers the following topics:

- Components and goals of the SWPPP;
- Good housekeeping practices;
- Spill prevention and response procedures;
- Waste minimization practices; and
- Informing visitors and contractors of facility policies, etc.

## 5.6 List of Storm Water Exposures

<b>SIGNIFICANT MATERIAL &amp; LOCATION:</b>	<b>PLANNED CONTROL MEASURE:</b>	<b>IMPACTED OUTFALL:</b>
Sediment and residual contaminants associated with the former stockpiles and pyrite trench.	Stockpiled materials have been graded or excavated/removed from the site, and remaining materials covered/capped with soil, asphalt (parking lot), or buildings. There is no longer exposure risk to storm water.	Storm Water Basin
275 Gal Diesel AST located near construction trailers	Initial controls - secondary containment with built-in canopy;  Secondary controls - straw-filled 9" tubular sedimentation and storm water control filtration devices installed along south side of area.	Storm Water Basin
275 Gal Gasoline AST located near construction trailers	Initial controls - secondary containment with built-in canopy;  Secondary controls - straw-filled 9" tubular sedimentation and storm water control filtration devices installed along south side of area.	Storm Water Basin
Miscellaneous Construction Materials	Initial controls (straw-bale check dams) installed along south drainage ditch.	Storm Water Basin

## 6.0 STRUCTURAL CONTROLS

Storm water run-off from the areas of historical mining residue at the Humboldt Mill site is being managed primarily through the use of initial and secondary structural controls, including straw-filled 9" tubular sediment and storm water control filtration devices, straw bales and rip rap as check dams, and silt fencing. A summary of these specific areas and primary and secondary structural control measure are described in the following table.



<b>AREA:</b>	<b>CONTROL MEASURE:</b>
The east/west collection ditch system that runs south of the Main Mill Building and the Office/Mill Dry Building which extends west to the storm water basin.	Initial controls (straw bales/rip rap) installed at regular intervals (every ~30 ft.) within ditch perpendicular to flow to serve as check dams. Secondary controls (silt fencing) installed around the perimeter of the ditch.
Storm water flowing to the south side of the mill property.	Initial controls (straw-filled 9" tubular sediment and storm water control filtration devices) installed along south side of area to control sedimentation run-off. Site grading is such that storm water from this area flows west to the storm water basin.

Installation of initial structural storm water controls was completed by November 18, 2009, and secondary structural storm water controls were installed during the summer of 2010. Residuals removal, capping, and the construction of storm water basin occurred during 2011 and 2012.-A list of the structural controls employed at the Humboldt Mill is provided on Table 3.

## **7.0 NON-STORM WATER DISCHARGES**

There are no non-storm water discharges from the site.

## **8.0 ANNUAL REVIEW**

RTEM will perform an annual review and update of the SWPPP and maintain written documentation of this review on-site. Based on the annual review, RTEM will amend the SWPPP as needed to ensure continued compliance with the terms and conditions of the Humboldt Mill's storm water permit. The annual review will be documented on the form provided in Appendix E.

## **9.0 CERTIFIED STORM WATER OPERATOR UPDATE**

If the site's Certified Storm Water Operator(s) changes or an additional Certified Storm Water Operator is added, RTEM will provide the name and certification number of the new Certified Storm Water Operator(s) to the MDEQ.

## **10.0 RECORD KEEPING REQUIREMENTS**



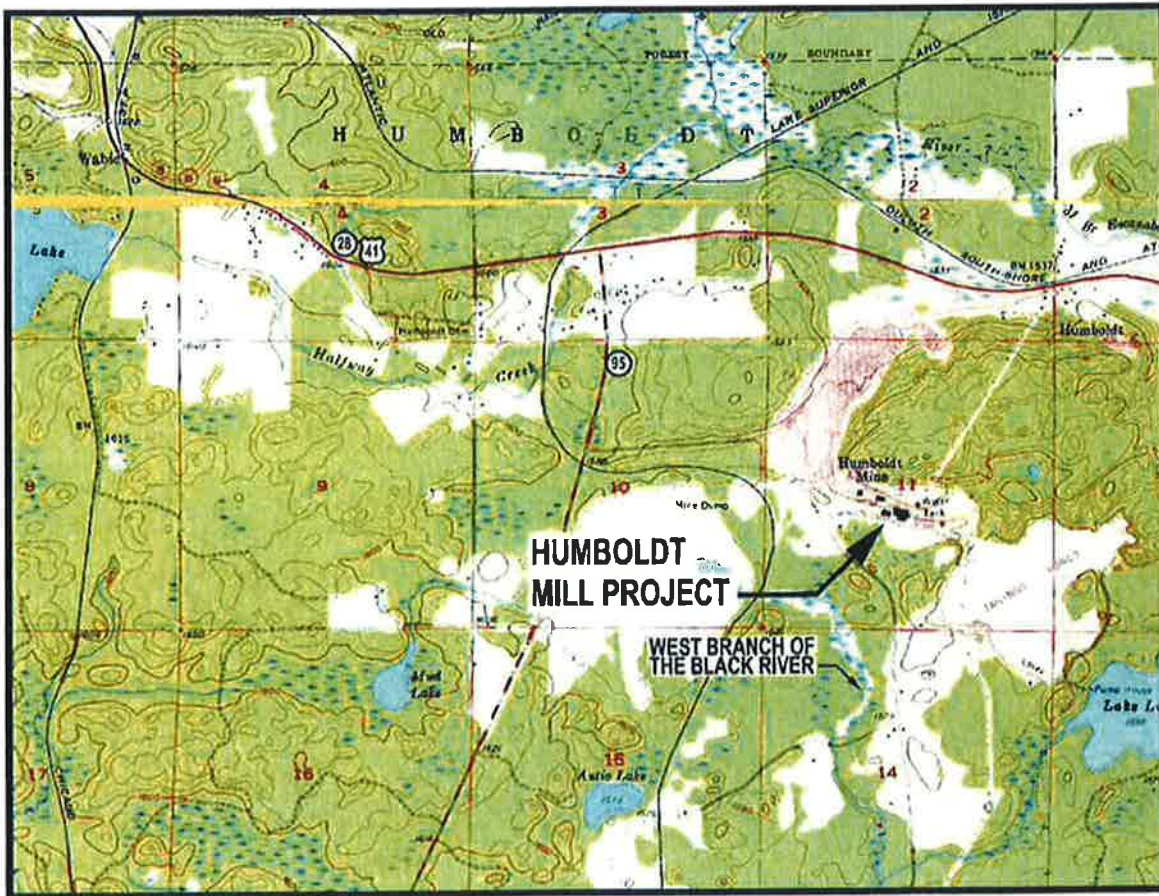
As previously discussed, RTEM will maintain records of all required SWPPP-related inspection, training and maintenance activities. RTEM will also keep records describing incidents such as spills or other discharges that can affect the quality of storm water runoff. All required records will be retained on site for three years.



# FIGURES



kex0000sm01



TAKEN FROM 7.5 MINUTE SERIES TOPOGRAPHIC MAP  
REPUBLIC AND CHAMPION QUADRANGLES  
SCALE: 1" = 3000'



North

0 1500 3000 6000

SCALE IN FEET

**HORIZON ENVIRONMENTAL**

Kennecott Eagle Land, LLC - Humboldt Mill  
Marquette County, Michigan

PROJECT NUMBER:  
KEX-0101

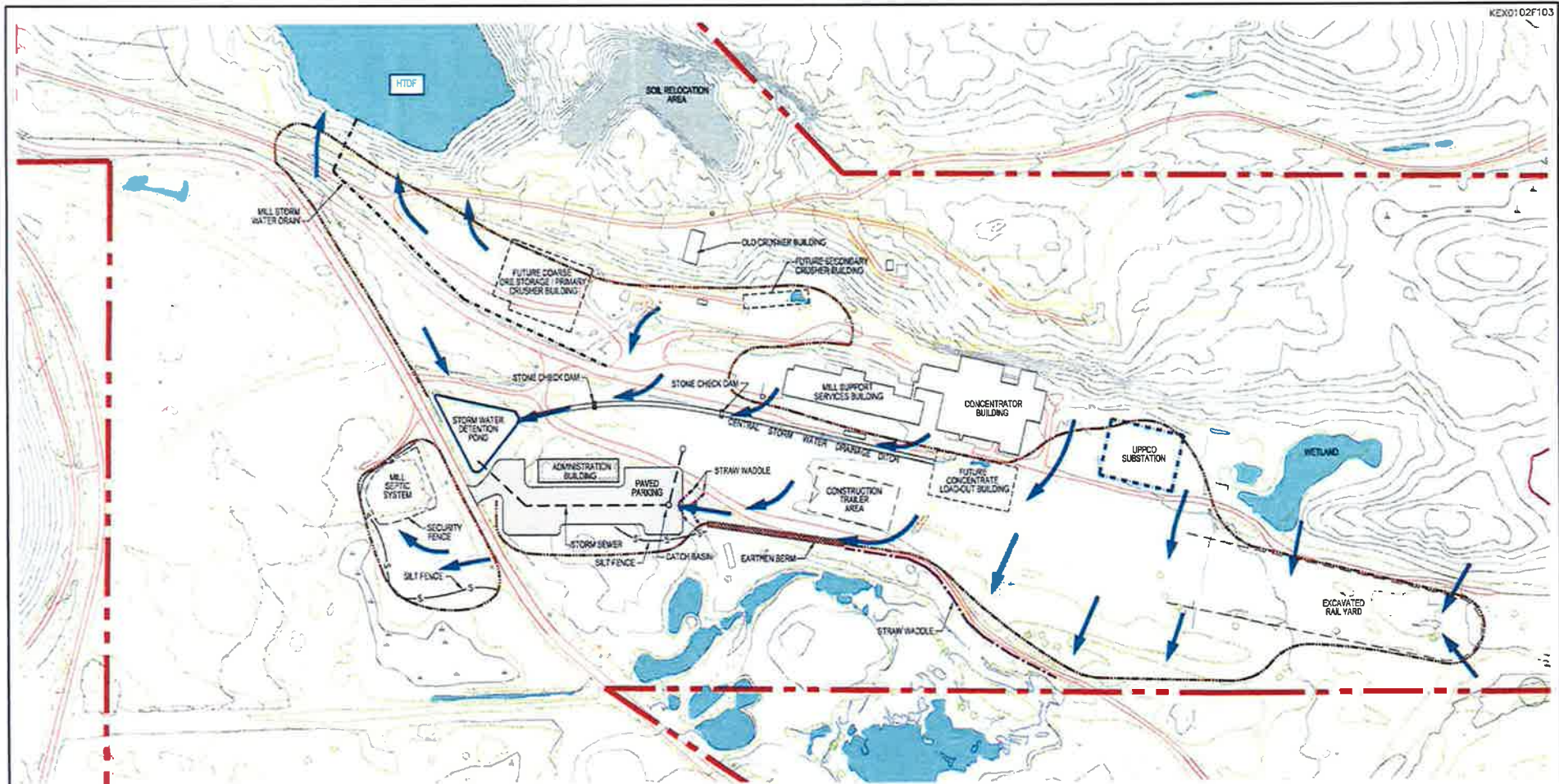
FIGURE:

**1**

SITE LOCATION MAP

NOVEMBER 2009



**NOTES:**

1. TOPOGRAPHIC AND PLANIMETRIC DATA SUPPLIED BY AERO-METRIC ENGINEERING, SHILBOYCAN, WISCONSIN. DATE OF PHOTOGRAPHY: APRIL 27, 2006.
2. CONTOUR INTERVAL BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. HORIZONTAL DATUM BASED ON NAD 83/96. HORIZONTAL COORDINATES BASED ON MICHIGAN STATE PLANE.
3. SITE LOCATION: PROJECT SITE WITHIN SECTIONS 2 AND 11, T47N, R29W, HUMBOLDT TOWNSHIP, MARQUETTE COUNTY, MICHIGAN.
4. CONTOUR INTERVAL SHOWN IS 10 FEET.

**LEGEND**

EXISTING ELEV.  
CONTOUR IN FEET  
PAVED ROAD  
UNPAVED ROAD  
TRAIL

TREC  
TREE LINE  
FENCE  
SURFACE WATER  
SWAMP/WETLAND

STREAM/LAKE  
BUILDING  
RIO TINTO  
PROPERTY BOUNDARY  
STORM WATER FLOW DIRECTION  
STRAW WADDOLE  
SILT FENCE  
CONSTRUCTION AREA BOUNDARY  
- EXPOSED SOIL



**HORIZON ENVIRONMENTAL**

Rio Tinto Eagle Mine, LLC  
Humboldt Township, Marquette County, Michigan

**HUMBOLDT MILL SITE STORM WATER MAP**

PROJECT NUMBER:  
KEX-0102

FIGURE:

**2**

JANUARY 2013



# TABLES



**TABLE 1**  
**SIGNIFICANT MATERIAL INVENTORY AND DESCRIPTION OF**  
**INDUSTRIAL ACTIVITY OR SIGNIFICANT MATERIAL**  
**STORAGE AREAS**

<b>Industrial Activity or Significant Material Storage Areas</b>	<b>Significant Materials</b>	<b>Exposure Method</b>	<b>Inlet</b>	<b>Outfall</b>
Fuel (gasoline and Diesel) Storage Tanks	Gasoline/Diesel	Precipitation	Precipitation	Storm Water Basin



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[illegible]



**TABLE 3**  
**STRUCTURAL CONTROLS EMPLOYED AT HUMBOLDT MILL**

<b>Description of Structural Control</b>	<b>Location of Structural Control</b>	<b>Significant Materials intended to be managed</b>
<b>Initial Controls</b>		
Straw bales as check-dams and straw-filled 9" tubular sediment and storm water control filtration devices	As illustrated on Figure 2, Site Storm Water Map	Sediment/Residuals
<b>Secondary Controls</b>		
Silt fencing is installed around the perimeter of the ditch. In addition straw bales are installed at regular intervals within the ditch perpendicular to water flow to serve as check dams.	The collection ditch system that runs south of the Main Mill Building and the Office/Mill Dry Building.	Erosion and sedimentation control for precipitation running into the ditch from the north.
Storm water basin	West end of property	Storm water/sediment from site




# APPENDICES



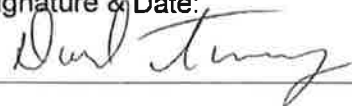
## APPENDIX A - SWPPP CERTIFICATION

The permit requires that the SWPPP shall be reviewed and signed by the Certified Storm Water Operator(s) and by either the permittee or an authorized representative in accordance with 40 CFR 122.22. The SWPPP shall be retained on-site at the facility which generates the storm water discharge.

*I certify under penalty of law that the storm water drainage system in this SWPPP has been tested or evaluated for the presence of non-storm water discharges either by me, or under my direction and supervision. I certify under penalty of law that this SWPPP has been developed in accordance with the General Permit and with good engineering practices. To the best of my knowledge and belief, the information submitted is true, accurate, and complete. At the time this plan was completed no unauthorized discharges were present. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.*

<b>Permittee or Authorized Representative</b>
Printed Name & Title: Kristen Mariuzza, Environmental & Permitting Manager
Signature & Date:  1-30-2013

<b>Certified Storm Water Operator</b>
Printed Name & Certification Number: David Tornberg I-11809
Signature & Date:  1/30/13



# APPENDIX B - MDEQ Spill or Release Report Form



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

## SPILL OR RELEASE REPORT

**NOTE:** Some regulations require a specific form to use and procedures to follow when reporting a release. Those forms and procedures **MUST** be used and followed if reporting under those regulations. This report form is to aid persons reporting releases under regulations that do not require a specific form. This report form is not required to be used. To report a release, some regulations require a facility to call the PEAS Hotline at 800-292-4706, or DEQ District Office that oversees the county where it occurred, and other regulating agencies and provide the following information. A follow-up written report may be required. Keep a copy of this report as documentation that the release was reported. If you prefer to submit this report electronically by FAX or e-mail, contact the regulating agency for the correct telephone number or e-mail address. See the DEQ website on Spill/Release Reporting for more reporting information.

Please print or type all information.

NAME AND TITLE OF PERSON SUBMITTING WRITTEN REPORT			TELEPHONE NUMBER (provide area code)		
NAME OF BUSINESS			RELEASE LOCATION (provide address if different than business, if known, and give directions to the spill location, include nearest highway, town, road intersection, etc.)		
STREET ADDRESS					
CITY	STATE	ZIP CODE			
BUSINESS TELEPHONE NUMBER (provide area code)					
SITE IDENTIFICATION NUMBER AND OTHER IDENTIFYING NUMBERS (if applicable)			COUNTY	TOWNSHIP	TIER/RANGE/SECTION (if known)
<b>RELEASE DATA. Complete all applicable categories. Check all the boxes that apply to the release. Provide the best available information regarding the release and its impacts. Attach additional pages if necessary.</b>					
DATE & TIME OF RELEASE (if known) ____/____/____ ____:____ am/pm	DATE & TIME OF DISCOVERY ____/____/____ ____:____ am/pm	DURATION OF RELEASE (if known) ____ days ____ hours ____ minutes	TYPE OF INCIDENT <input type="checkbox"/> Explosion <input type="checkbox"/> Fire <input type="checkbox"/> Leaking container <input type="checkbox"/> Loading/unloading release <input type="checkbox"/> Pipe/valve leak or rupture <input type="checkbox"/> Vehicle accident <input type="checkbox"/> Other _____		
MATERIAL RELEASED (Chemical or trade name) <input type="checkbox"/> CHECK HERE IF ADDITIONAL MATERIALS LISTED ON ATTACHED PAGE		CAS NUMBER or HAZARDOUS WASTE CODE	ESTIMATED QUANTITY RELEASED (indicate unit e.g. lbs, gals, cu ft or yds)	PHYSICAL STATE RELEASED (indicate if solid, liquid, or gas)	
FACTORS CONTRIBUTING TO RELEASE <input type="checkbox"/> Equipment failure <input type="checkbox"/> Operator error <input type="checkbox"/> Faulty process design <input type="checkbox"/> Training deficiencies <input type="checkbox"/> Unusual weather conditions <input type="checkbox"/> Other _____			SOURCE OF LOSS <input type="checkbox"/> Container <input type="checkbox"/> Railroad car <input type="checkbox"/> Pipeline <input type="checkbox"/> Ship <input type="checkbox"/> Tank <input type="checkbox"/> Tanker <input type="checkbox"/> Truck <input type="checkbox"/> Other _____		
TYPE OF MATERIAL RELEASED <input type="checkbox"/> Agricultural: manure, pesticide, fertilizer <input type="checkbox"/> Chemicals <input type="checkbox"/> Flammable or combustible liquid <input type="checkbox"/> Hazardous waste <input type="checkbox"/> Liquid industrial waste <input type="checkbox"/> Oil/petroleum products or waste <input type="checkbox"/> Salt <input type="checkbox"/> Sewage <input type="checkbox"/> Other _____ <input type="checkbox"/> Unknown	MATERIAL LISTED ON or DEFINED BY <input type="checkbox"/> CAA Section 112(r) list (40 CFR Part 68) <input type="checkbox"/> CERCLA Table 302.4 (40 CFR Part 302) <input type="checkbox"/> EPCRA Extremely Hazardous Substance (40 CFR Part 355) <input type="checkbox"/> Michigan Critical Materials Register or permit <input type="checkbox"/> NREPA Part 31, Part 5 Rules polluting material <input type="checkbox"/> NREPA Part 111 or RCRA hazardous waste <input type="checkbox"/> NREPA Part 121 liquid industrial waste <input type="checkbox"/> Other list _____ <input type="checkbox"/> Unknown		IMMEDIATE ACTIONS TAKEN <input type="checkbox"/> Containment <input type="checkbox"/> Dilution <input type="checkbox"/> Evacuation <input type="checkbox"/> Hazard removal <input type="checkbox"/> Neutralization <input type="checkbox"/> System shut down <input type="checkbox"/> Diversion of release to treatment <input type="checkbox"/> Decontamination of persons or equipment <input type="checkbox"/> Monitoring <input type="checkbox"/> Other _____		
<b>RELEASE REACHED</b> <input type="checkbox"/> Surface waters (include name of river, lake, drain involved) _____ Distance from spill location to surface water in feet _____ <input type="checkbox"/> Drain connected to sanitary sewer (include name of wastewater treatment plant and/or street drain, if known) _____ <input type="checkbox"/> Drain connected to storm sewer (include name of drain or water body it discharges into, if known) _____ <input type="checkbox"/> Groundwater (indicate if it is a known or suspected drinking water source and include name of aquifer, if known) _____ <input type="checkbox"/> Soils (include type e.g. clay, sand, loam, etc.) _____ <input type="checkbox"/> Ambient Air <input type="checkbox"/> Spill contained on impervious surface					



EXTENT OF INJURIES, IF ANY  <div style="border: 1px solid black; height: 20px; width: 100%;"></div>		WAS ANYONE HOSPITALIZED? <input type="checkbox"/> Yes NUMBER _____ HOSPITALIZED: _____ <input type="checkbox"/> No	TOTAL NUMBER OF INJURIES TREATED ON-SITE: _____
DESCRIBE THE INCIDENT, THE TYPE OF EQUIPMENT INVOLVED IN THE RELEASE, HOW THE VOLUME OF LOSS WAS DETERMINED, ALONG WITH ANY RESULTING ENVIRONMENTAL DAMAGE CAUSED BY THE RELEASE. IDENTIFY WHO IMMEDIATELY RESPONDED TO THE INCIDENT (own employees or contractor — include cleanup company name, contact person, and telephone number). ALSO IDENTIFY WHO DID FURTHER CLEANUP ACTIVITIES, IF PERFORMED OR KNOWN WHEN REPORT SUBMITTED <input type="checkbox"/> CHECK HERE IF DESCRIPTION OR ADDITIONAL COMMENTS ARE INCLUDED ON ATTACHED PAGE			
ESTIMATED QUANTITY OF ANY RECOVERED MATERIALS AND A DESCRIPTION OF HOW THOSE MATERIALS WERE MANAGED (include disposal method if applicable) <input type="checkbox"/> CHECK HERE IF DESCRIPTION OR ADDITIONAL COMMENTS ARE INCLUDED ON ATTACHED PAGE			
ASSESSMENT OF ACTUAL OR POTENTIAL HAZARDS TO HUMAN HEALTH (include known acute or immediate and chronic or delayed effects, and where appropriate, advice regarding medical attention necessary for exposed individuals.) <input type="checkbox"/> CHECK HERE IF DESCRIPTION OR ADDITIONAL COMMENTS ARE INCLUDED ON ATTACHED PAGE			
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY NOTIFIED:  INITIAL CONTACT BY: <input type="checkbox"/> Telephone <input type="checkbox"/> Fax <input type="checkbox"/> Email <input type="checkbox"/> Other  DATE/TIME INITIAL CONTACT: _____  <input type="checkbox"/> PEAS: 800-292-4706 Log Number Assigned _____ <input type="checkbox"/> DEQ District or Field Office Divisions or Offices Contacted: <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> Baraga <input type="checkbox"/> Gwin <input type="checkbox"/> Air Quality  <input type="checkbox"/> Bay City <input type="checkbox"/> Jackson <input type="checkbox"/> Land &amp; Water Management  <input type="checkbox"/> Cadillac <input type="checkbox"/> Kalamazoo <input type="checkbox"/> Office Geological Survey  <input type="checkbox"/> Crystal Falls <input type="checkbox"/> Lansing <input type="checkbox"/> Remediation and  <input type="checkbox"/> Detroit <input type="checkbox"/> Newberry <input type="checkbox"/> Redevelopment  <input type="checkbox"/> Gaylord <input type="checkbox"/> Warren <input type="checkbox"/> Waste and Hazardous  <input type="checkbox"/> Grand Rapids <input type="checkbox"/> Wyoming <input type="checkbox"/> Materials  <input type="checkbox"/> DEQ Office locations are subject to change <input type="checkbox"/> Water Bureau           </div> <div style="width: 45%;"></div> </div>		OTHER ENTITIES NOTIFIED:  <div style="display: flex;"> <div style="flex: 1;"> <input type="checkbox"/> National Response Center (NRC): 800-424-8602  <input type="checkbox"/> US Coast Guard Office  <input type="checkbox"/> Detroit <input type="checkbox"/> Grand Haven <input type="checkbox"/> Sault Ste. Marie  <input type="checkbox"/> US Department of Transportation  <input type="checkbox"/> US Environmental Protection Agency  <input type="checkbox"/> 911 (or primary public safety answering point)  <input type="checkbox"/> Local Fire Department  <input type="checkbox"/> Local Police and/or State Police  <input type="checkbox"/> Local Emergency Planning Committee  <input type="checkbox"/> State Emergency Response Commission              via MI SARA Title III Program  <input type="checkbox"/> Wastewater Treatment Plant Authority  <input type="checkbox"/> Hazmat Team  <input type="checkbox"/> Local Health Department  <input type="checkbox"/> Department of Labor &amp; Economic Growth MIOSHA  <input type="checkbox"/> Department of Labor &amp; Economic Growth Fire Safety  <input type="checkbox"/> Michigan Department of Agriculture: 800-405-0101  <input type="checkbox"/> Other _____           </div> <div style="flex: 1; text-align: right;">             Date: _____              Time: _____           </div> </div>	
NAME AND TITLE OF PERSON MAKING INITIAL REPORT:  <div style="border: 1px solid black; height: 20px; width: 100%;"></div>		PERSON CONTACTED & PHONE NUMBER:  <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	
DEQ STAFF CONTACTED & PHONE NUMBER:  <div style="border: 1px solid black; height: 20px; width: 100%;"></div>		PERSON CONTACTED & PHONE NUMBER:  <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	
DATE WRITTEN REPORT SUBMITTED		SIGNATURE OF PERSON SUBMITTING WRITTEN REPORT	



[illegible][illegible]



## APPENDIX D – SEMI-ANNUAL COMPREHENSIVE SITE INSPECTION FORM

Date:	Time:
-------	-------

<b>Inspector</b>	
Print:	Signature:

Is the Facility in compliance with the General Storm Water Permit and the SWPPP:

[illegible]



## APPENDIX E - Annual SWPPP Review Form

Date of Review:

Reviewer

Print:

Signature:

### Annual SWPPP Review Checklist

1) Facility general information and SWPPP team information is current and accurate	Yes	No	
2) Site map is current and accurate	Yes	No	
3) Significant material inventory is current and accurate	Yes	No	
4) New exposures, processes and related controls have been documented	Yes	No	NA
5) Spills have been recorded and reported as appropriate	Yes	No	NA
6) Records of routine preventative maintenance, housekeeping and employee training are available in Intelex	Yes	No	
7) Comprehensive site inspections have been completed, certified and filed in the SWPPP file	Yes	No	
8) Corrective actions noted in the inspection reports have been completed	Yes	No	
9) Certified Storm Water Operator is current	Yes	No	
10) Annual fees have been paid	Yes	No	
11) Permit renewal request has been processed	Yes	No	NA
12) SWPPP has been reviewed and signed by the Certified Storm Water Operator and the Permittee or designated representative	Yes	No	

Additional Comments:



## **APPENDIX F – Site Specific Industrial Storm Water Operator Training**

---

Date of Training:
-------------------

<b>Trainer:</b>	
-----------------	--

Print:	
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Signature:
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### **TRAINING TOPICS**

1) SWPPP Training – SWPPP Overview	
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2) Good Housekeeping Practices	
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3) Spill Prevention & Response Procedures	
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4) Waste Minimization Practices	
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5) Communication of RTEM Policies applicable to Storm Water Pollution Prevention	
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6) Site Specific Training	
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Additional Comments:
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